

THE OUTLOOK FOR THE SWINE ENTERPRISE

By

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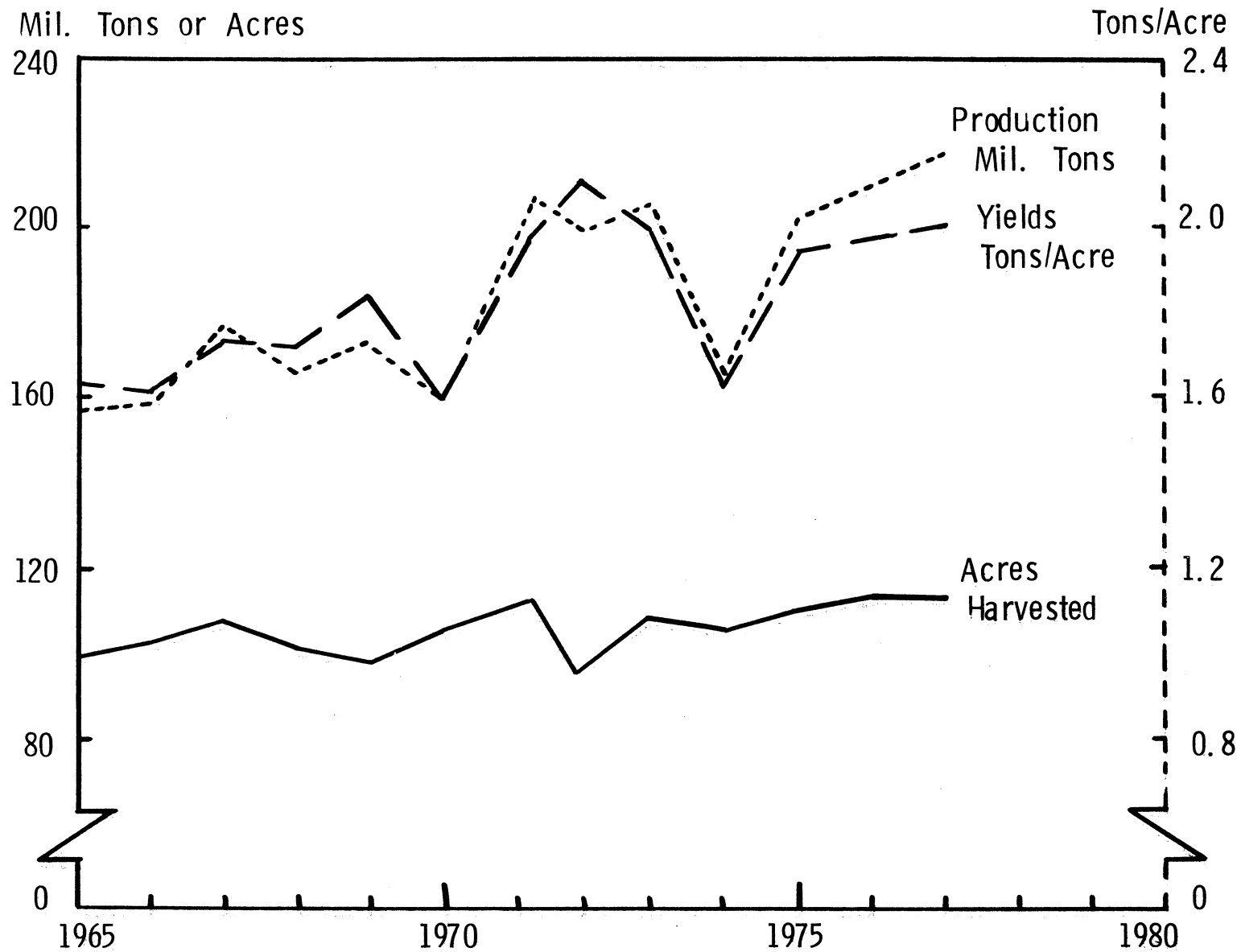
For

Washington C. H. & Eaton Areas

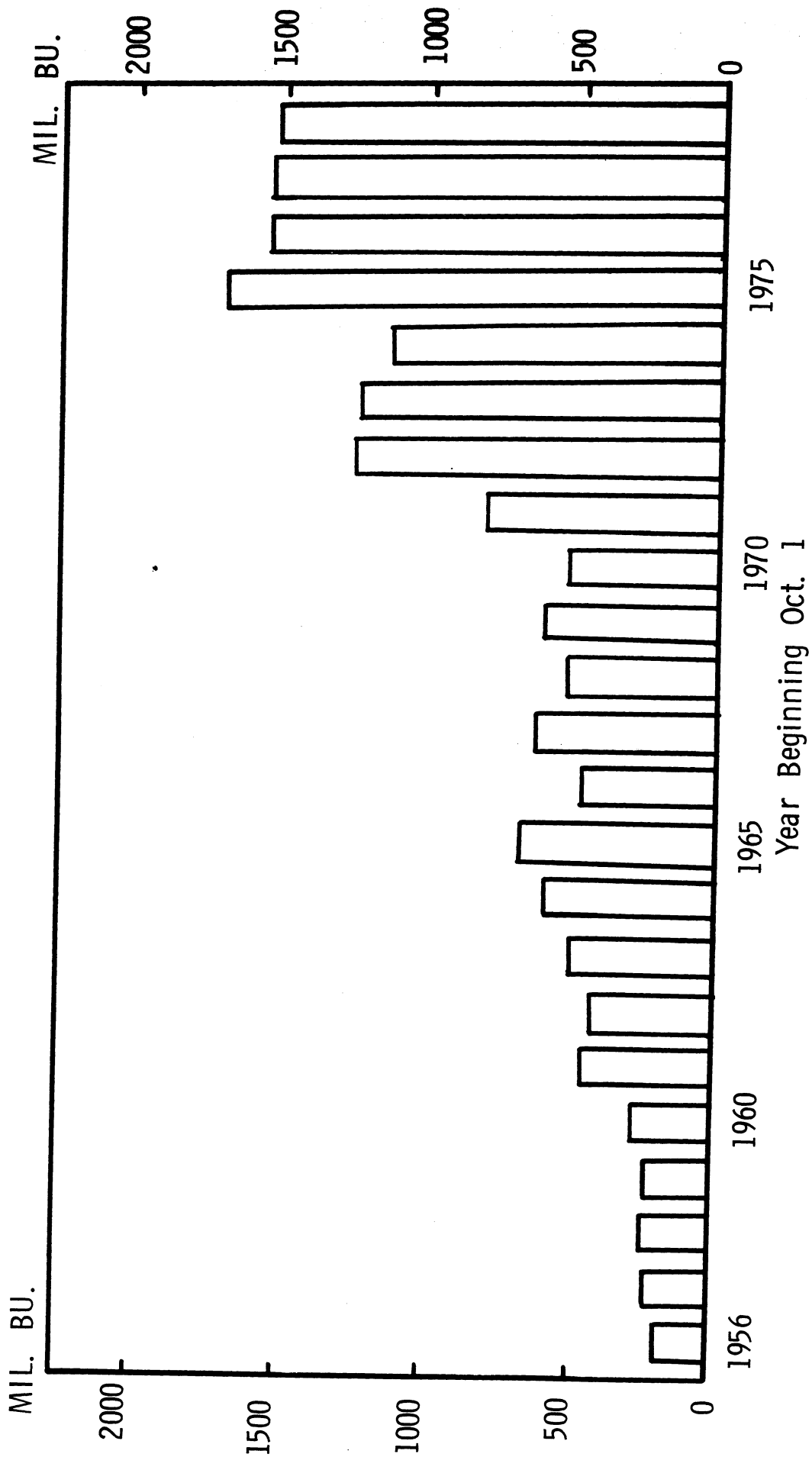
Swine "Update"

January, 1978

FEED GRAIN ACREAGE AND OUTPUT



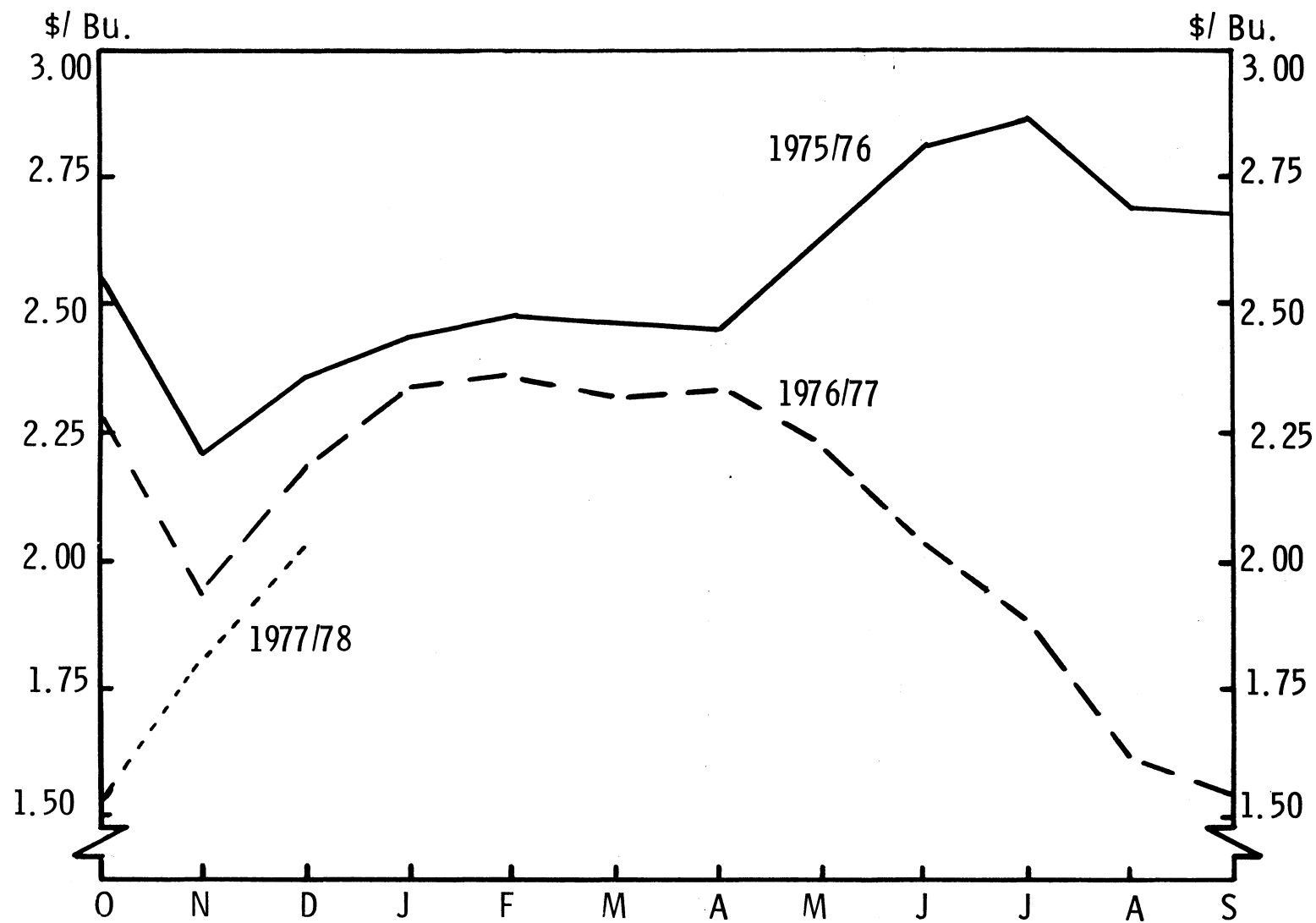
U. S. CORN EXPORTS



CORN PROSPECTS FOR 1977 - 78

		<u>AMT.</u> <u>Bil. Bu.</u>	<u>%</u> <u>1976/1975</u>
CROP (Nov.)		6.36	2.4%
ACREAGE, MIL.		69.6	-2%
YIELDS		91.5	10%
SUPPLIES		7.24	9.5%
USE		6.00	4.6%
DOMESTIC	4.4		UP
EXPORT	1.6		SAME
CARRYOVER	1.2 - 1.3		UP
PRICE, AVERAGE OHIO FARM			
1976 CROP	\$2.14		
WE SAID	\$2.25 - 2.50		
1977 (EST.)	\$1.90 - 2.00		

CORN: OHIO AVERAGE MONTHLY PRICES



U.S. CORN PRODUCTION, USE AND PRICE

Crop Year (Oct. 1)	Acres for Grain (Mil.)	Yld/Ac. (Bu.)	Production	Carry-In	Supply	Domestic Use	Export	Total Use	Carry-out	Av. Season Price, Ohio
(Million Bushels)										
1965	55.4	74.1	4,084	1,147	5,232	3,705	687	4,392	840	\$1.16
1967	60.7	80.1	4,706	823	5,584	3,789	633	4,422	1,162	1.11
1969	54.6	85.9	4,687	1,118	5,806	4,189	612	4,801	1,005	1.21
1970	57.4	72.4	4,152	1,005	5,161	3,977	517	4,494	667	1.37
1971	64.0	88.1	5,641	667	6,309	4,387	796	5,183	1,126	1.09
1972	57.4	97.1	5,573	1,126	6,700	4,733	1,258	5,991	709	1.70
1973	61.9	91.2	5,647	709	6,357	4,631	1,243	5,874	483	2.70
1974	65.2	71.3	4,666	483	5,149	3,641	1,149	4,790	359	2.93
1975	66.9	86.2	5,799	359	6,158	4,409	1,711	5,760	398	2.55
1976 ^{1/}	71.1	87.4	6,216	398	6,615	4,086	1,650	5,736	879	2.14

1977 ^{2/}	69.6	91.5	6,367	879	7,246	4,400	1,600	6,000	1,246	??

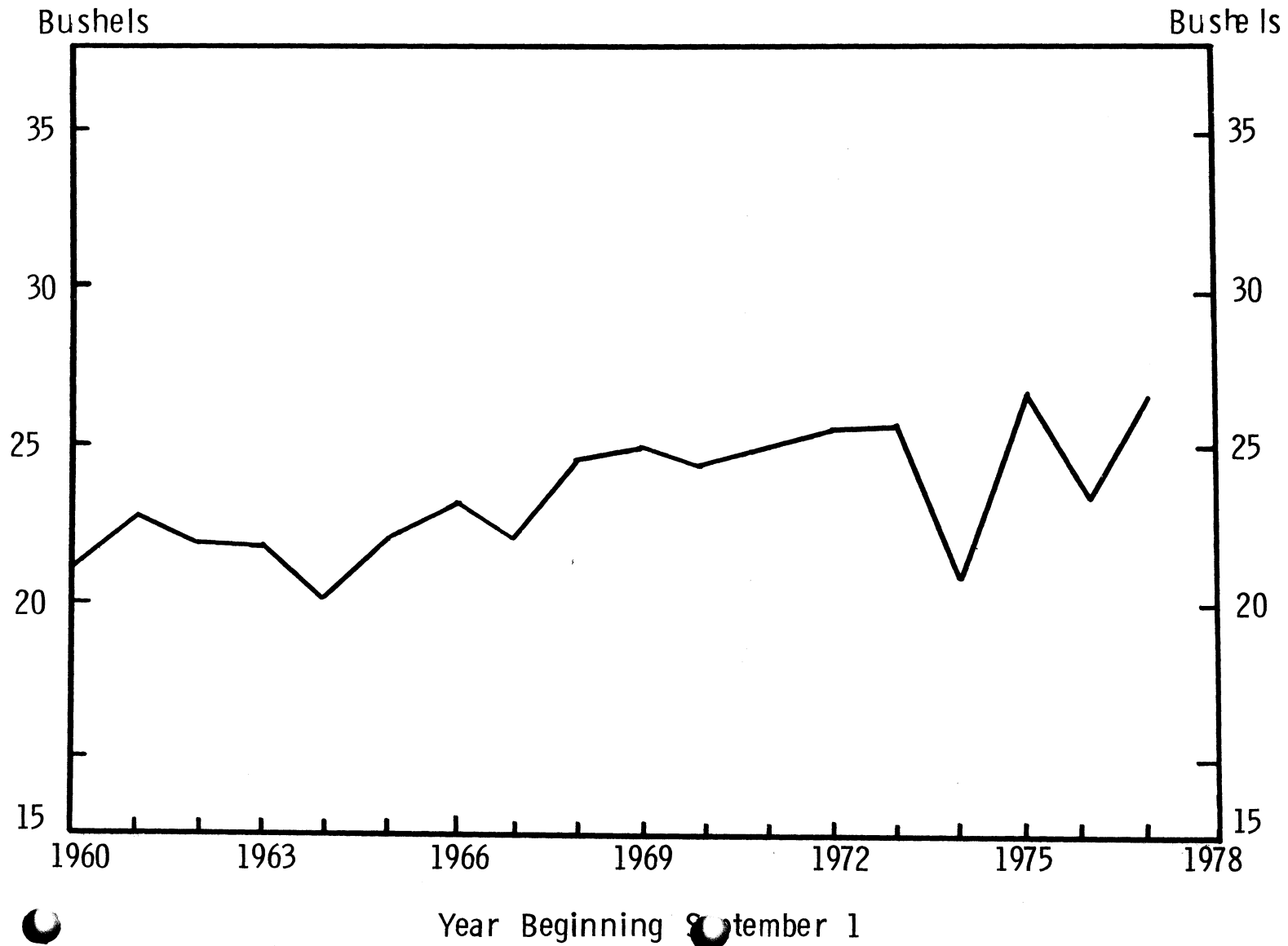
^{1/} Estimated
^{2/} Projected.

Prepared 11-77 by Wallace Barr and Herbert Hadley, Extension Economists, OSU.

SOYBEAN PROSPECTS FOR 1977 - 78

	<u>AMT.</u> Mil. Bu.	<u>%</u> 1975/1974
CROP (Nov.)	1,683	33%
ACRES, Mil.	58.1	17.6%
YIELD	28.9	12.9%
SUPPLIES	1,786	18.3%
USE	1,540	9.4%
DOMESTIC	930	up
EXPORT	610	up
CARRYOVER	226	up

U. S. SOYBEAN YIELD PER ACRE HARVESTED



1976 SOYBEANS - (CONT.)

PRICES - DECATUR

	<u>PER BU.</u>	<u>PRICE</u>	<u>VALUE</u>
OIL LB.	11#	16 - 20¢	\$1.76 - 2.20
MEAL TON	47#	130 - 160	3.09 - 3.80
			<hr/>
TOTAL			\$4.85 - 6.00

MINUS

MARGINS:
TRANSPORTATION

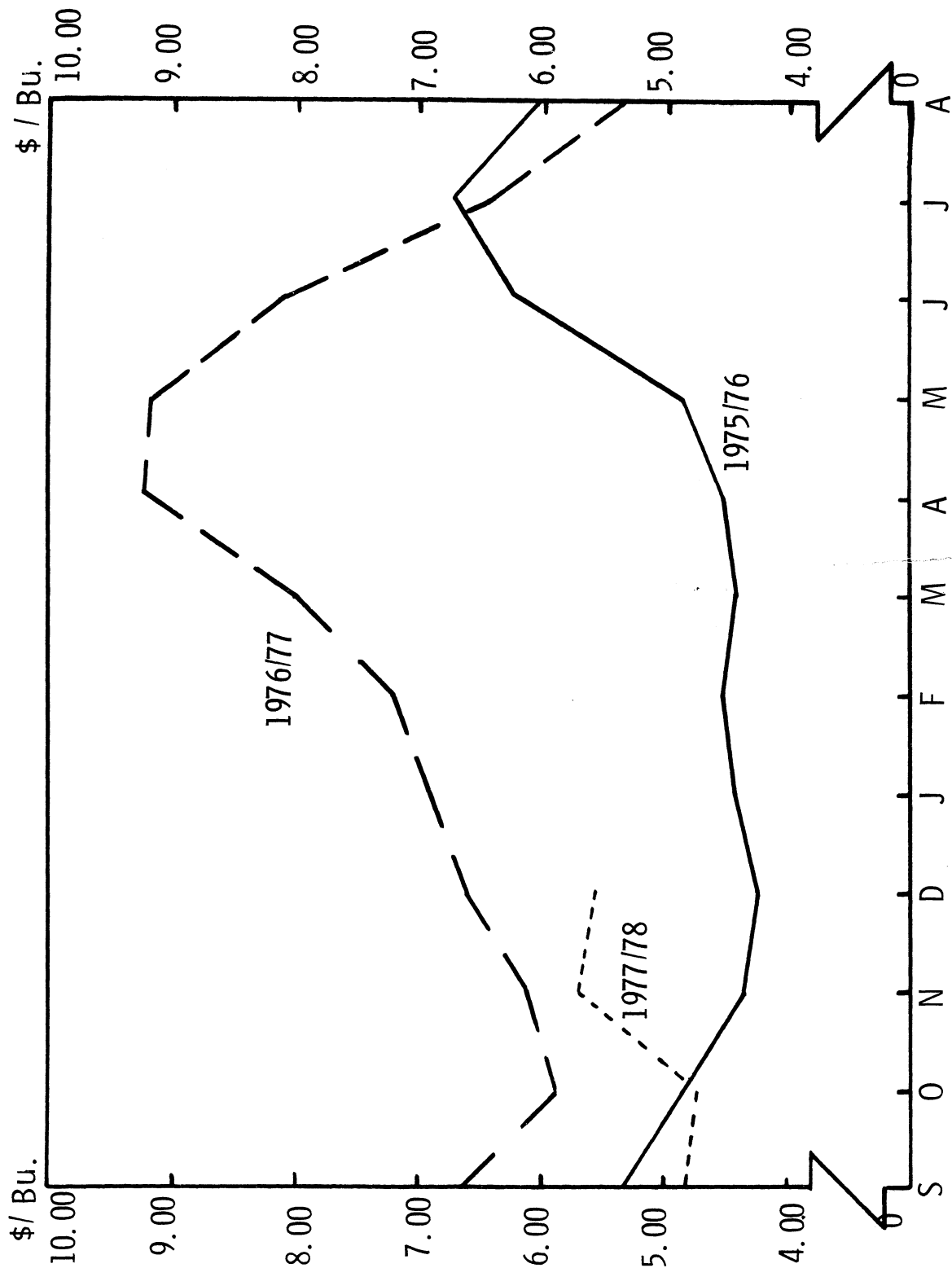
OHIO FARM PRICE, AVERAGE

1976 CROP \$7.14

WE SAID \$6.00 - 6.50

1977 (EST.) \$5.00 - 5.25

SOYBEANS: OHIO AVERAGE PRICES



U.S. SOYBEAN PRODUCTION, USE AND PRICE

Crop Year (Sept. 1)	Acres for Grain (Mil.)	Yld/Ac. (Bu)	Production	Carry-In	Supply	Domestic Use	Export	Total Use	Carry-out	Av. Season Price, Ohio
(Million Bushels)										
1965	34.5	24.5	846	30	875	589	251	840	35	\$2.35
1967	39.8	24.5	976	90	1,066	633	267	900	166	2.47
1969	41.3	27.4	1,133	327	1,460	797	433	1,230	230	2.47
1970	42.2	26.7	1,127	230	1,356	825	433	1,258	99	2.92
1971	42.7	26.7	1,176	99	1,275	786	417	1,203	72	3.14
1972	45.7	27.8	1,271	72	1,343	803	480	1,283	60	5.75
1973	55.8	27.7	1,547	60	1,607	895	540	1,435	171	5.77
1974	52.5	23.5	1,233	171	1,404	797	420	1,218	185	6.17
1975	53.6	28.4	1,521	185	1,706	909	555	1,462	245	5.04
1976 ^{1/}	49.4	25.6	1,265	245	1,510	853	555	1,407	103	7.14

1977 ^{2/}	58.1	28.9	1,683	103	1,786	930	610	1,540	226	??

^{1/} Estimated

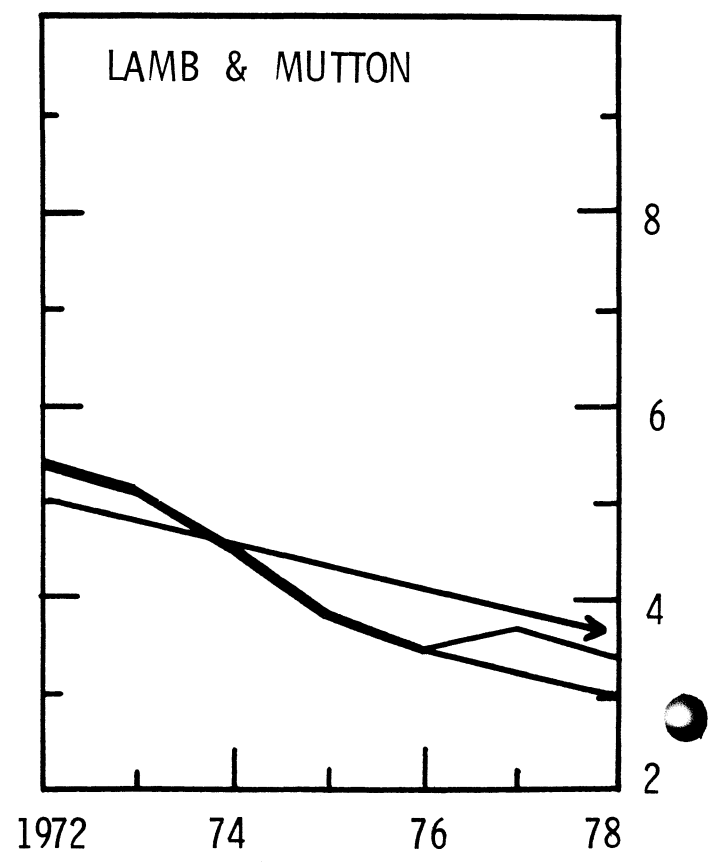
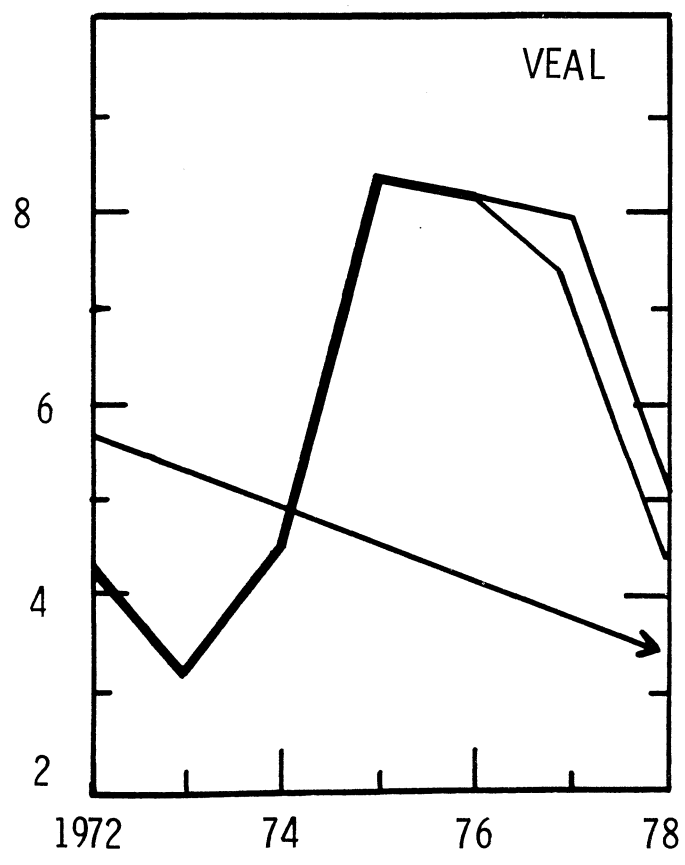
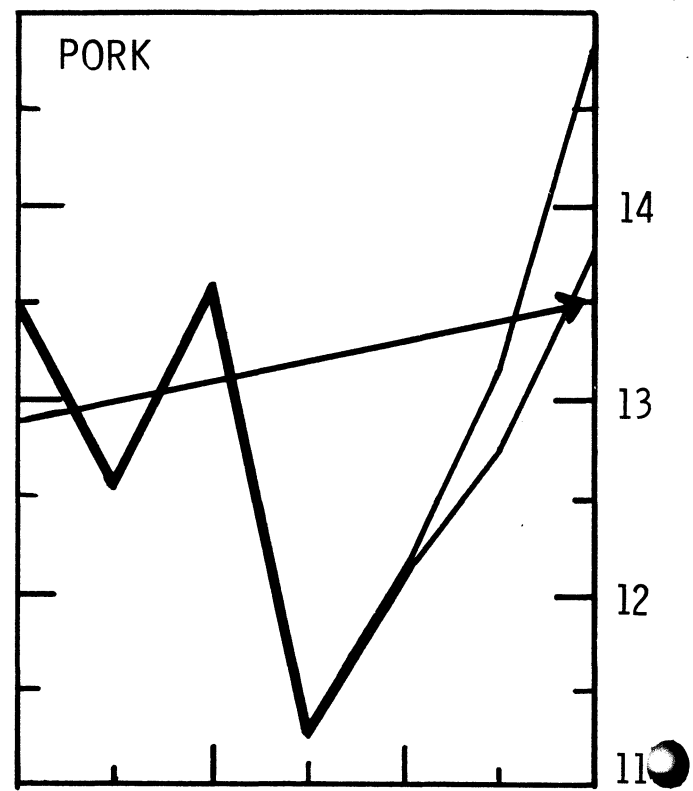
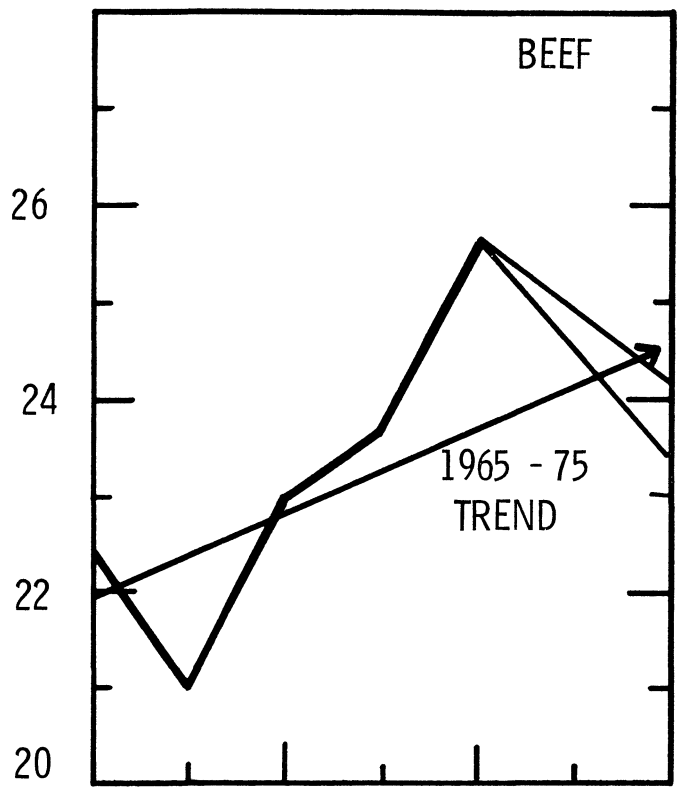
^{2/} Projected

Prepared 11-77 by Wallace Barr and Herbert Hadley, Extension Economists, OSU.

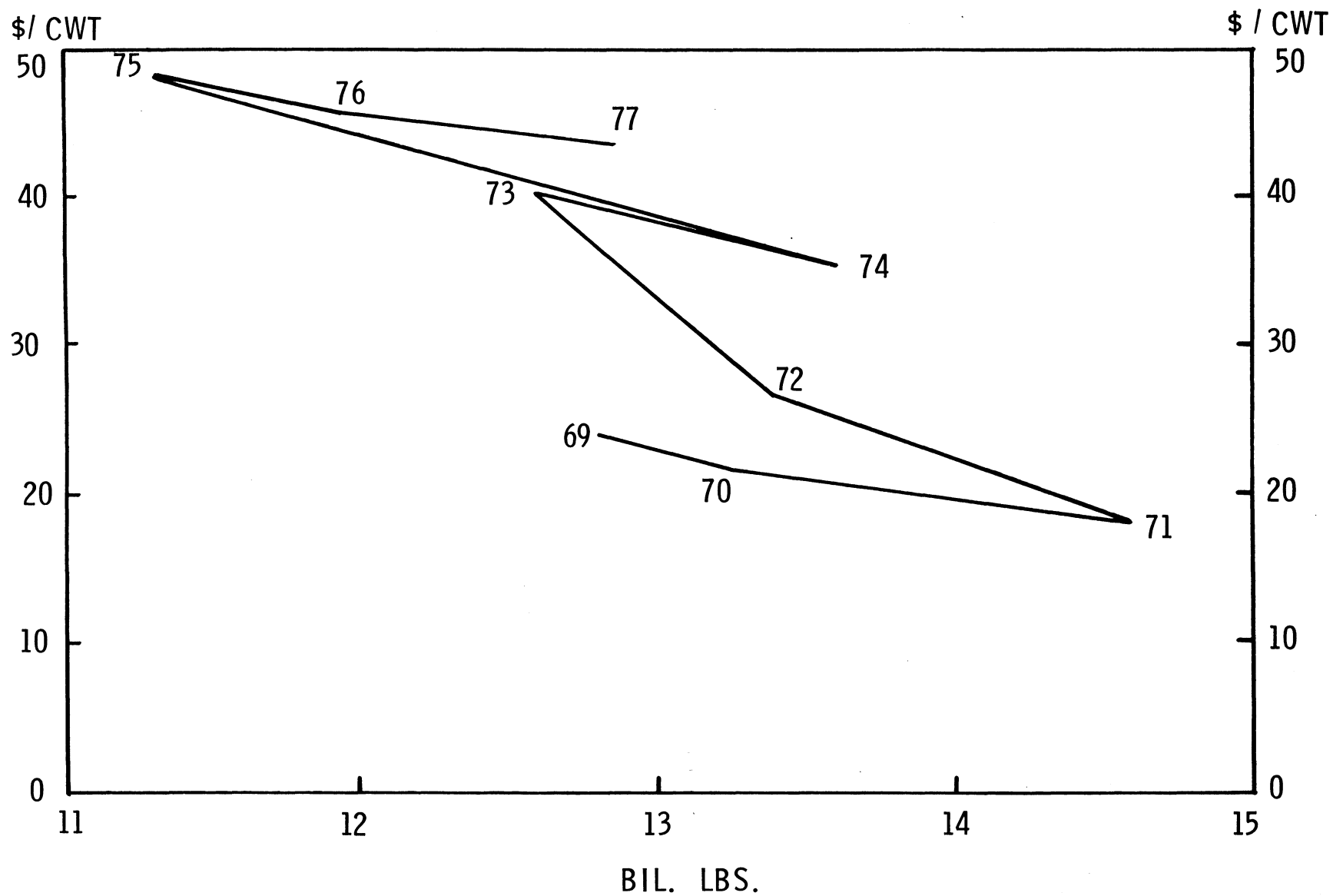
COMMERCIAL MEAT PRODUCTION

Bil. Lb.

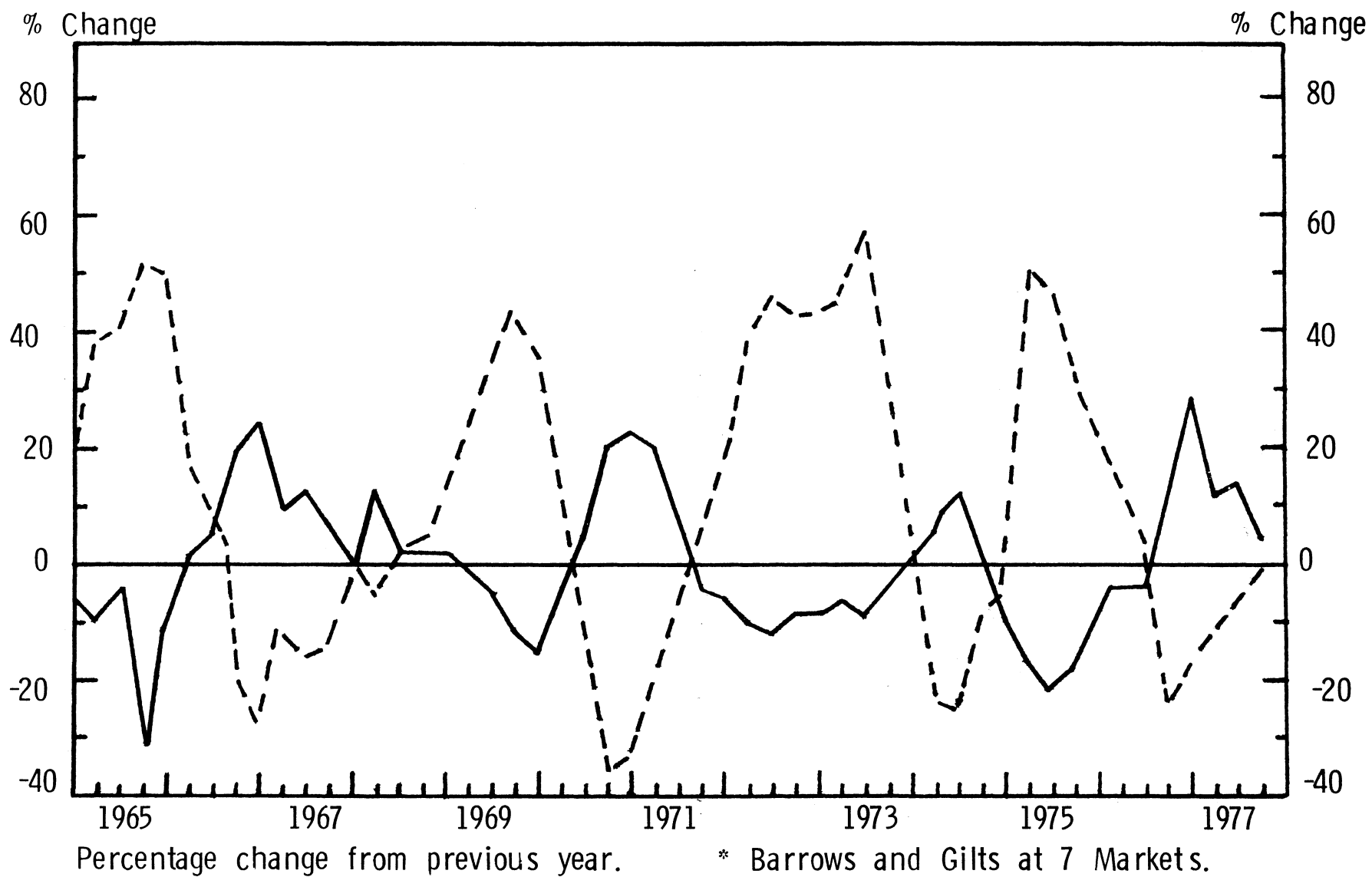
Bil. Lb.



PORK OUTPUT AND PRICES



CHANGES IN HOG PRICES AND PORK PRODUCTION



MARKET HOGS BY WEIGHT GROUP

DEC. 1, 1977

UNDER 60 LBS.

12

60 - 119

3

120 - 179

2

180 - 219

5

220 LBS. & OVER

-102

FARROWINGS

	<u>1976</u>	<u>1977</u>	<u>1978</u>
	----- 1,000 Head -----		
DEC - FEB	2452	2742	
MAR - MAY	3321	3308	
DEC - MAY		1978/77 up 9%	6620
JUNE - AUG	2965	3214	
SEPT - NOV	2885	3531	
JUNE - NOV		1977/76 up 8%	

MORE PIGS !

PIG CROPS

APPROX. MARKETINGS

1977

DEC - FEB

52

JUNE-AUG 1977

MAR - MAY

-12

SEPT - NOV 1977

JUNE-AUG

72

DEC - MAR 1978

SEPT - NOV

72

MAR - MAY 1978

1978

DEC - MAR*

122

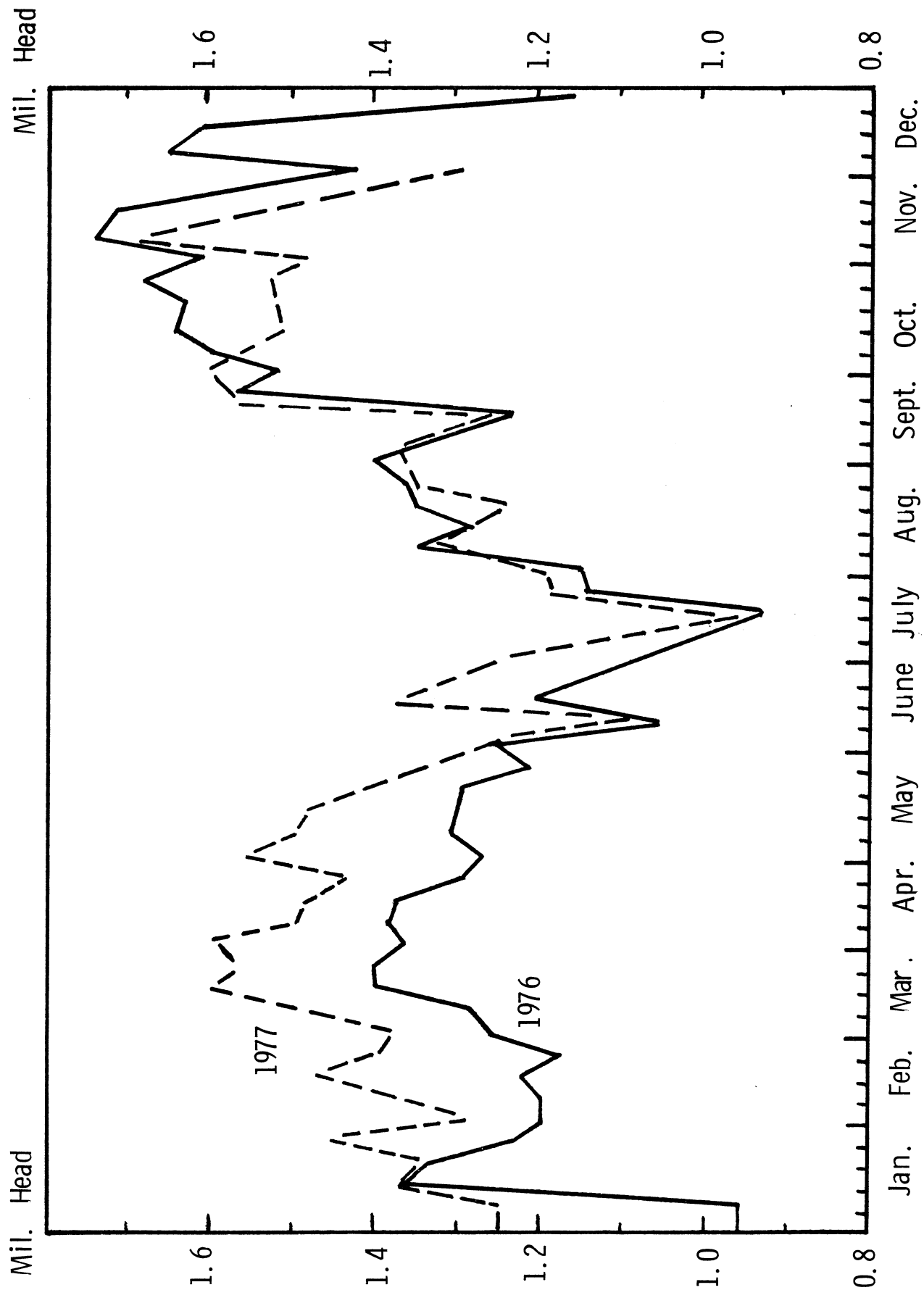
APR - JUNE 1978

MAR - MAY*

SEPT - DEC 1978

* Intentions

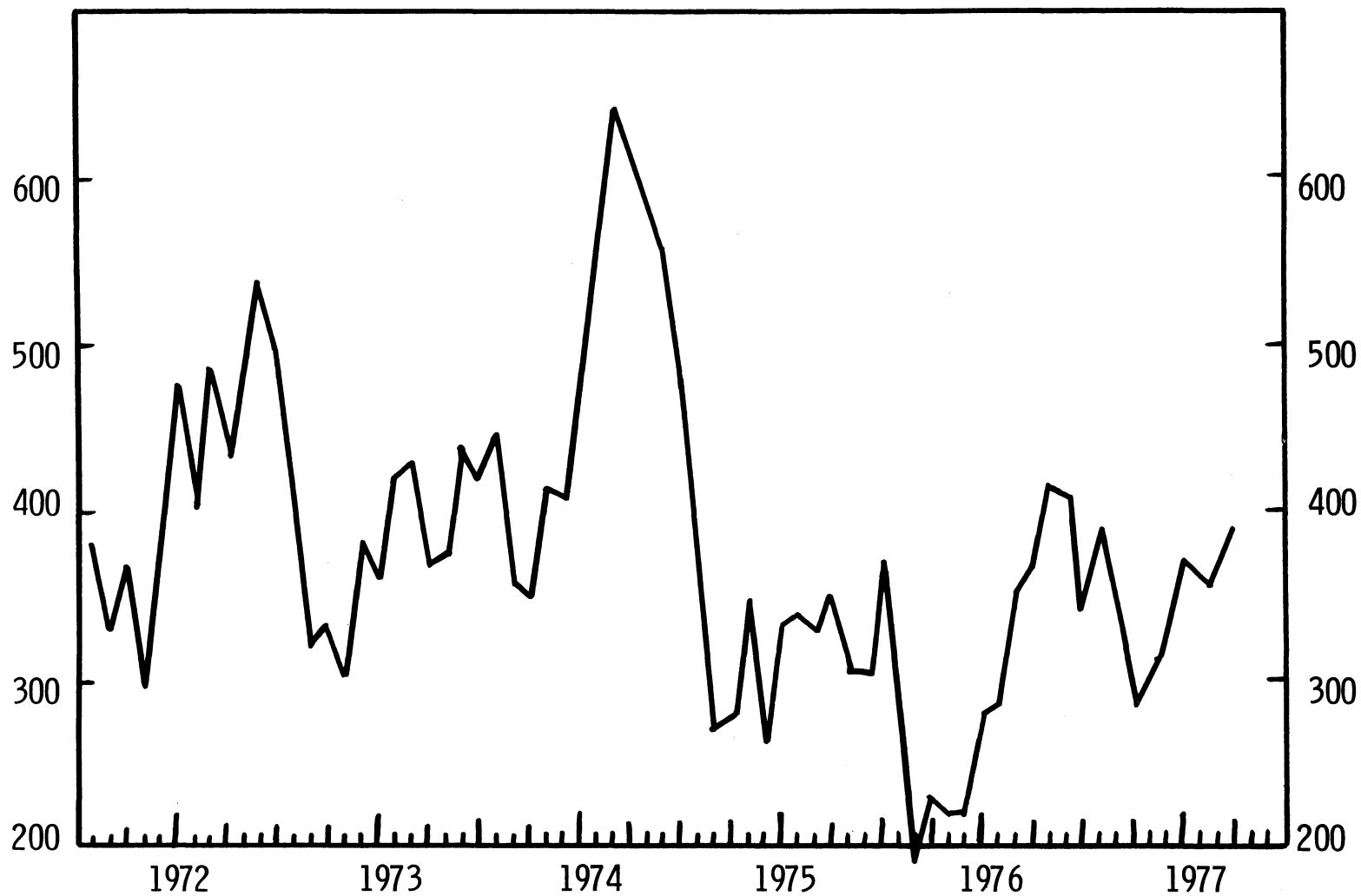
F. I. HOG SLAUGHTER



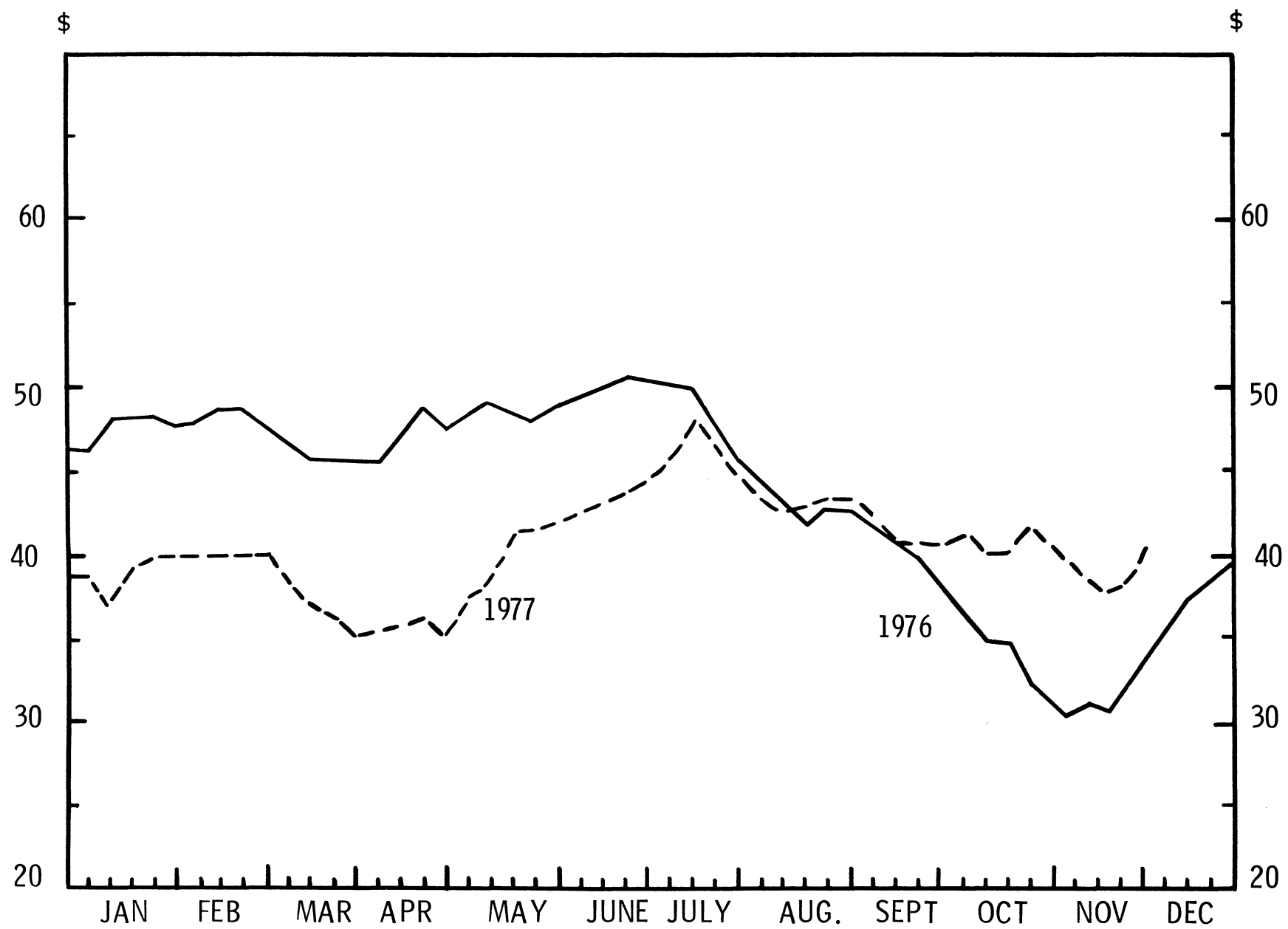
COMMERCIAL SOW SLAUGHTER

THOUS. HD.

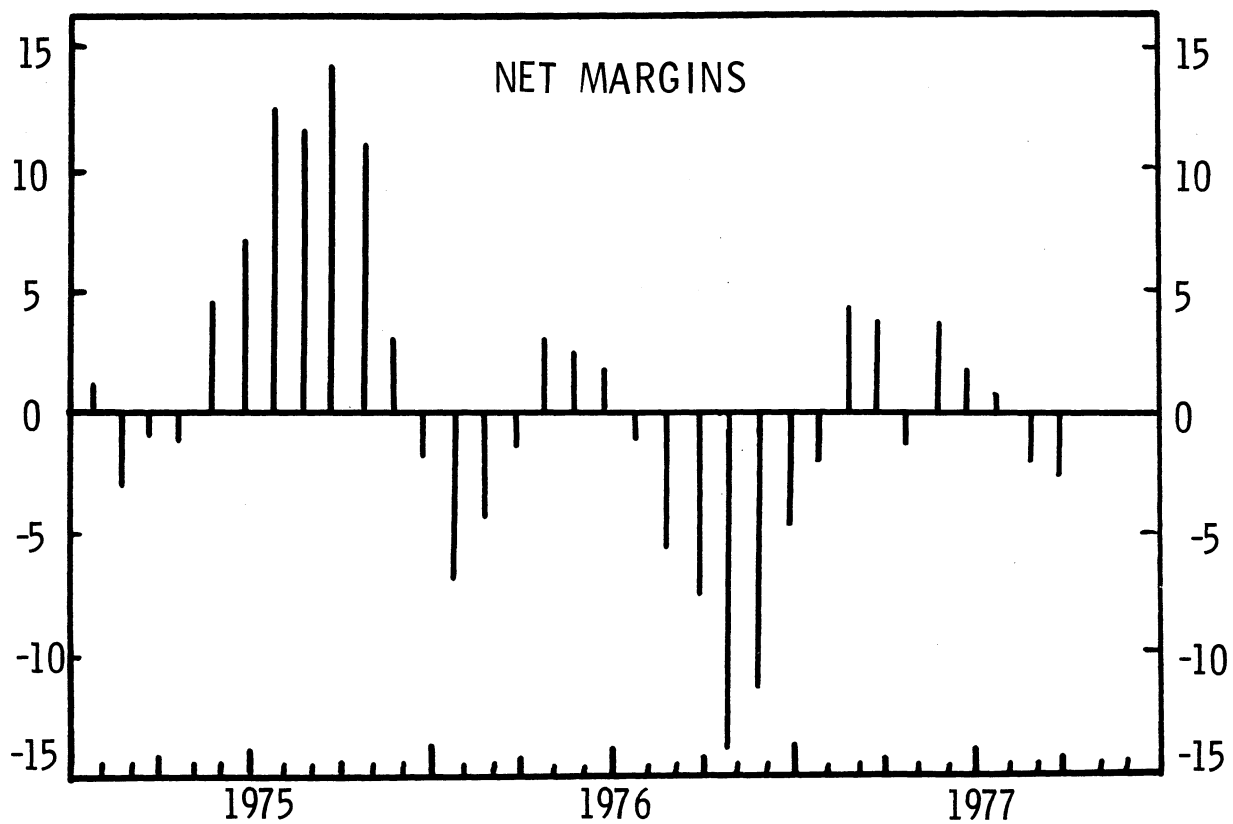
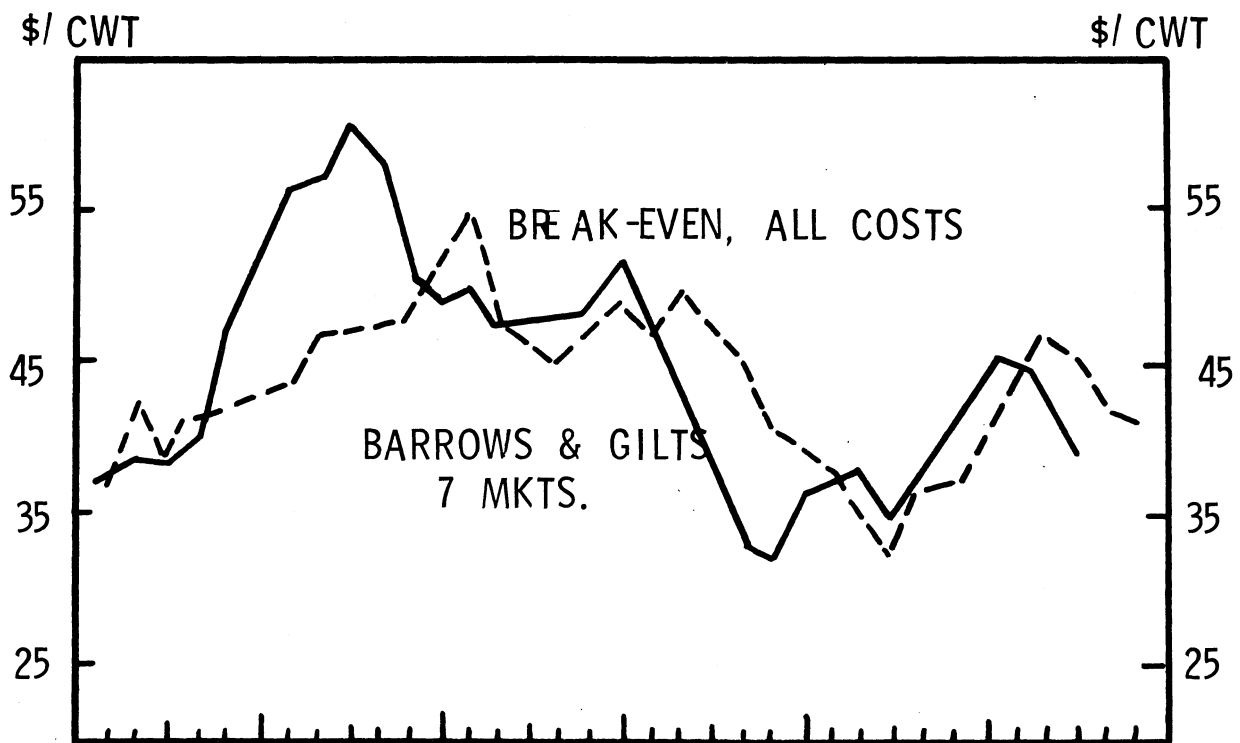
THOUS. HD.



BARROWS & GILTS - 7 MKTS.



HOG PRICES & COSTS



FEEDER PIG WORKSHEET

How to Figure the Breakeven Price on a Feeder Pig
Marketed at 220 Pounds Weight

	Purchase Weight		
	40 lbs.	60 lbs.	80 lbs.
A. Cost of feeder pig per head	\$ _____	\$ _____	\$ _____
Feed	_____	_____	_____
Corn @ _____ per bu.	(9.0 bu.)\$ _____	(8.0 bu.)\$ _____	(7.0 bu.)\$ _____
Supplement @ _____c per lb.	(100 lbs.) _____	(90 lbs.)\$ _____	(75 lbs)\$ _____
B. Total feed cost	\$ _____	\$ _____	\$ _____
C. Other costs	<u>\$18.00</u>	<u>\$17.50</u>	<u>\$17.00</u>
(Tractor, truck, grinding, death loss; medical; electric; interest; taxes; repairs and depreciation on buildings and equipmentm marketing, misc.)			
D. Charge for Labor*	1.0 hrs. _____	0.9 hrs. _____	0.8 hrs. _____
E. Total cost per head (A+B+C+D)	\$ _____	\$ _____	\$ _____
F. Breakeven price per cwt.			
for 220 lbs. hog (E ÷ 220 lbs.)	\$ _____	\$ _____	\$ _____
G. Estimated selling price per cwt.	\$ _____	\$ _____	\$ _____
H. Profit or Loss per cwt. (G - F)	\$ _____	\$ _____	\$ _____

*Do not include a charge for management and risk.

NOTE: Your return for management and risk will be the difference between the selling price and the breakeven price, if you made a charge for labor.

Prepared by Wallace Barr and Herbert Hadley, Extension Economist, Ohio State University

PORK CONSUMPTION AND PRICES

	PER CAPITA LBS.	RETAIL PRICE PER LB.	PRICE B & G PER CWT
1971	73	\$.70	\$ 18.45
1972	67.4	.83	26.67
1973	61.6	1.10	40.27
1974	66.6	1.08	35.12
1975	54.8	1.35	48.32
1976	58.2	1.34	43.11
1977*	61.9	1.25	40.70
1978**	66-68	1.19-1.23	33-35

*Est.

** Forecast

ESTIMATED 1982 COSTS

	EST. 1978 COSTS	INFLATION <u>4%</u>	RATE/YEAR <u>6%</u>
CORN 110 bu/ac	\$2.00 ^{1/}	\$2.45	\$2.67
SOYBEANS 35 bu/ac	\$5.00 ^{1/}	\$6.36	\$7.09
HOGS, CWT. NORMAL 16:1 corn hog ratio		\$39.25	\$42.72
RANGE 12:1 corn hog ratio		29.45	32.04
20:1 corn hog ratio		49.00	53.40

1/ LAND RENT @ \$55/ ACRE